CyberData
The IP Endpoint Company

# Singlewire Paging Adapter
Quick Start Guide

1.0 Out-of-Box and Prior to Final Installation

1.1. Verify that you have received all of the parts listed on the *Installation Quick Reference* placemat.

1.2. Download the current manual, otherwise known as an *Operation Guide*, which is available on the **Documentation** page at the following website address:

   http://www.cyberdata.net/products/voip/digitalanalog/singlewirepagingadapter/docs.html

2.0 Select Power Source

PoE Switch	PoE Injector
Set PoE power type to IEEE 802.3af Power Class 0 (15.4W)	CAT6 cable recommended—for longer distances
	Be sure you are using a non-PoE switch or port
Make sure port is not in trunk mode	
Set port to full duplex/ 100mbps	

3.0 Power Test

3.1. Plug in the CyberData device and monitor the LED activity on the front of the device. See the following figure:

Link
(**GREEN**/**AMBER** LED)

Activity
(**GREEN** LED)

Status
(**GREEN**/**BLUE** LED)
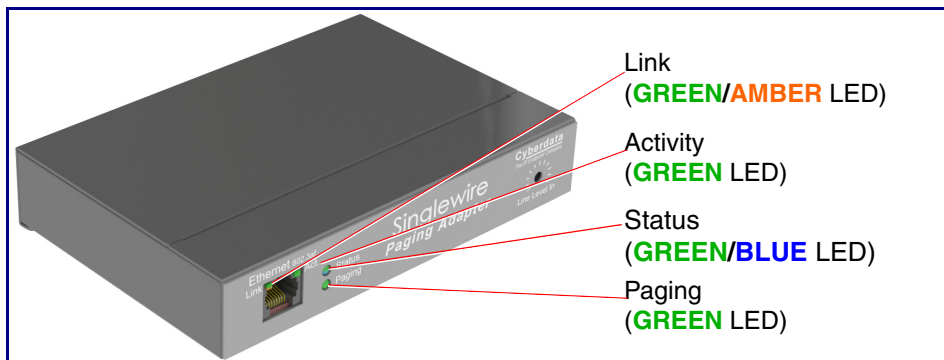
Paging
(**GREEN** LED)

3.2. The **GREEN**/**BLUE** Status LED and the **GREEN** Paging LED both blink at a rate of 10 times per second during the initial network setup.

The round, **GREEN**/**BLUE** Status LED on the front of the V2 Speaker comes on indicating that the power is on. Once the device has been initialized, this LED blinks at one second intervals.

The square, **GREEN**/**AMBER** Link LED above the Ethernet port indicates that the network connection has been established. The Link LED changes color to confirm the auto-negotiated connection speed:

- The Link LED is **GREEN** at 10 Mbps.
- The Link LED is **AMBER** at 100 Mbps.

The **GREEN** Paging LED comes on while the device is booting and turns off after 15 seconds. This light blinks when a page is in progress. You can disable **Beep on Initialization** on the **Device Configuration** page.

The square, **GREEN** Activity LED blinks when there is network traffic.

If there is no DHCP server available on the network, it will try 12 times with a three second delay between tries and eventually fall back to the programmed static IP address (by default 10.10.10.10). This process will take approximately 80 seconds.When the device has completed the initialization process, briefly press and then quickly release the RTFM switch to announce the IP address.

This concludes the power test.

4.0 InformaCast Configuration File Retrieval

4.1. **DHCP should be enabled**. After the device initializes, it will send a broadcast to the DHCP server to ask for the location of its InformaCastSpeaker.cfg configuration file.

4.2. SLP or TFTP?

- **SLP** should be enabled on InformaCast version 5.0.4 or higher. SLP is an InformaCast protocol introduced in InformaCast version 5.0.4. The device will retrieve its configuration file from an InformaCast server folder specified by SLP. SLP method is preferred.

- **TFTP** servers may be used instead of SLP. In this alternate scenario, DHCP option 150 is required to provide the device with the address of the TFTP server. Otherwise, the device will be unable to retrieve its configuration file.

  Note The CyberData device and InformaCast server should be on the same subnet during the device's initial configuration if it cannot access the VLANs upon which the InformaCast Server and DHCP servers are located.

5.0 Singlewire-Enabled Device Identification and Testing

5.1. Ensure the InformaCast Server has detected a new device.

5.2. Test the newly detected device.

5.3. Add the newly detected device to the InformaCast Server.

6.0 Contacting CyberData VoIP Technical Support

For quality assurance purposes, we ask that you please visit our website and complete our Support form which is available at the following website address:

http://www.cyberdata.net/support/contactsupportvoip.php

The Support form initiates a ticket which CyberData uses for tracking customer requests.   Most importantly, the Support form provides us with pertinent troubleshooting information.   Please include as much detail as possible in the Comments section of the Support form.

Be prepared to provide a Wireshark capture of the device's boot process and ensure you have properly mirrored the device's switch port.

Requests for Returned Materials Authorization (RMA) numbers require an active VoIP Technical Support ticket number.

If you have purchased a Singlewire-Enabled device in error, please immediately contact your authorized distributor or reseller for exchange. CyberData Corporation offers repair services under the Manufacturer's Limited 2 Year Warranty but is unable to offer exchanges.